

Title (en)
CONVEYOR FOR BOARDS

Publication
EP 0224440 B1 19890816 (DE)

Application
EP 86810491 A 19861031

Priority
CH 482085 A 19851108

Abstract (en)
[origin: US4848533A] A conveying apparatus for panels is equipped with two revolving endless conveyor belt members such as chains etc. The chains are connected with each other with successively arranged transverse organs such as cross bars. On each cross bar there are mounted displaceably with braking two panel-engaging devices comprising clamping springs for gripping and transferring panels from a charging to a discharging station past a random number of intermediate processing stations. Two pneumatically operable pusher members push the panel-engaging devices into contact with the lateral edges of an arriving panel and cause the clamping springs to grip the panel. At the discharging station, two separating pusher members of similar construction open the clamping springs and push the panel-engaging devices apart toward their terminal positions at opposite ends of their cross bar, thus setting the panel free to be discharged from the apparatus.

IPC 1-7
B65G 17/46; **H05K 13/00**

IPC 8 full level
B65G 17/26 (2006.01); **B65G 17/46** (2006.01); **B65G 47/86** (2006.01); **H05K 13/00** (2006.01)

CPC (source: EP US)
B65G 17/46 (2013.01 - EP US); **H05K 13/0061** (2013.01 - EP US); **B65G 2201/02** (2013.01 - EP US)

Cited by
US5749698A; EP0406177A1; CN107618838A; NL1001090C2; US5791453A; EP0312498A1; FR2621568A1; EP0317213A3; US2012269117A1; US8948087B2

Designated contracting state (EPC)
AT BE CH DE ES FR GB IT LI NL SE

DOCDB simple family (publication)
EP 0224440 A1 19870603; **EP 0224440 B1 19890816**; AT E45553 T1 19890915; CA 1275962 C 19901106; DE 3665050 D1 19890921; ES 2009804 B3 19891016; IL 80541 A0 19870227; IL 80541 A 19910131; JP 2610127 B2 19970514; JP S62111824 A 19870522; US 4848533 A 19890718

DOCDB simple family (application)
EP 86810491 A 19861031; AT 86810491 T 19861031; CA 522296 A 19861106; DE 3665050 T 19861031; ES 86810491 T 19861031; IL 8054186 A 19861107; JP 26650686 A 19861108; US 24318188 A 19880914